BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: **Estimate for Improvements to Roads and Drains at Maruthi Saw Mill Cross Roads in Ward No. 06, Thanisandra Village Limits.**

			Estimate Cost:						6000000.00
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRB 2-2.1 : earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in **Hard soil** not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No. 5/ Item No. 2.4/ PWD SR 2013-14	Cum							
	For CC Drain		2	180.00	1.20	1.00	432.00		
			2	150.00	1.20	1.00	360.00		
	For Culverts		6	6.50	2.00	1.05	81.90		
							873.90	227.88	**199144.00**
	Basic Rate	211.00							
	Area Weightage @8%	16.88							
	Total	**227.88**							
2	KSRB 4-1.3 : Providing and laying in position **plain cement concrete of mix M7.5 with OPC cement @ 180 Kgs** using **40mm** and down size graded granite metal, corse aggregates @ 0.85 cum and fine aggregtes @ 0.58cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, **in foundation and plinth**, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 **Page No. 12 / Item No. 4.3 PWD SR - 2013-14**	Cum							
	For RCC Drain		2	180.00	1.00	0.15	54.00		
			2	150.00	1.00	0.15	45.00		
	For Culverts		6	6.50	2.00	0.15	11.70		
							110.70	4290.84	**474996.00**
	Basic Rate	3973.00							
	Area Weightage @ 8%	317.84							
	Total	**4290.84**							
3	KSRB 5.4-3: Providing and constructing granite / trap / basalt size stone masonry in **superstructure with cement mortar 1:6**, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 **Page No. 26 / Item No. 5.12/ PWD SR 2013-14**	Cum							
	Culvert		6x2	6.50	0.60	0.90	**42.12**	4341.76	**182875.00**
	Basic Rate	4096.00							
	Area Weightage @ 6%	245.76							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Total	**4341.76**							
4	KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **vertical surface** such as **walls at any thickness**, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 **Page No.17 / Item No. 4.31 PWD SR - 2013-14**	Sqm							
	Side Walls		4x2	180.00		0.60	864.00		
			4x2	150.00		0.60	720.00		
	Covering Slab Bottom		2	180.00	0.60		216.00		
			2	150.00	0.60		180.00		
	Covering Slab Sides		4	180.00		0.15	108.00		
			4	150.00		0.15	90.00		
	Culvert		6	6.50	0.60		23.40		
			6x2	6.50		0.25	19.50		
			6x2	1.80		0.25	5.40		
							2226.30	271.08	**603505.00**
	Basic Rate	251.00							
	Area Weightage @ 8%	20.08							
	Total	**271.08**							
5	KSRB 15.1.3: Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. **Page No. 122 / Item No. 15.3 / PWD SR 2013-14**	Sqm							
	Culvert		6x2	6.50		0.90	**70.20**	76.32	**5358.00**
	Basic Rate	72.00							
	Area Weightage @ 6%	4.32							
	Total	**76.32**							
6	KSRB 4-1.6 : Providing and laying in position plain cement concrete of **mix M15 with cement @ 240 kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2. **No. 12 / Item No. 4.6 / PWD SR 2013-14**	Cum							
	Culvert Coping		6x2	6.50	0.60	0.10	4.68		
							4.68	4690.50	**21952.00**
	Basic Rate	4425.00							
	Area Weightage @ 6%	265.50							
	Total	**4690.50**							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
7	KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregates @ 0.459 cum wuth superplastisier @ 3lts confirming to IS 9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works **in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, wall** (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.6 **Page No. 13 / Item No. 4.11 PWD SR - 2013-14**	Cum							
	Main Road Bottom		2	180.00	0.90	0.15	48.60		
	Cross Roads		2	150.00	0.90	0.15	40.50		
	Side Walls		4	180.00	0.15	0.60	64.80		
			4	150.00	0.15	0.60	54.00		
	Culvert		6	6.50	1.80	0.25	17.55		
							225.45	5639.76	**1271484.00**
	Basic Rate	5222.00							
	Area Weightage @ 8%	417.76							
	Total	**5639.76**							
8	KSRB 4.9.2: Providing **TMT steel reinforcement for R.C.C** work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **Page No. 19 / Item No. 4.46.2 PWD SR 2013-14**	Qntl							
			0.70	225.45			**157.82**	7450.92	**1175867.00**
	Basic Rate	6899.00							
	Area Weightage 8%	551.92							
	Total	**7450.92**							
9	Providing and fixing Precast RCC Slabs as Per approved design, specification and Direction Engineer-in-Charge. (Approved Data Rate.	Sqm							
			2	180.00	1.00		360.00		
			2	275.00	1.00		550.00		
							910.00	1490.00	**1356137.00**
	Basic Rate	1490.00							
10	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123)	Cum							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
10	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123)	Cum							
			Vide Item No. 1				**873.90**	72.71	**63537.00**
	Basic rate for haulage of materials as per item no.17.4 page 141) Rs. 2.00								
	Average weight of earth 1.28 tonne / kg for 2X1.28X2.00=5.12	5.12							
	Add loading and unloading Vide item no.17.1 P.no.141	62.20							
		67.32							
	Area Weightage @ 8%	5.39							
	Total	**72.71**							
							Total		**5354855.00**
11	For 1% Third Party Charges								**53549.00**
12	KRIDL Charges and labour Cess 11%								**589034.00**
13	Miscellaneous and other Charges	L/S							**2562.00**
								Total	**6000000.00**

(Rs. Sixty Lakhs Only)

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per P.W.D S.R of 2013-14.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
KRIDL

Assistant Engineer
Byatarayanapura Sub-division
KRIDL, BBMP, Bangalore

Assistant Engineer
ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Technical Manager
KRIDL

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL, BBMP, Bangalore

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Sub Division
B.B.M.P. Bangalore

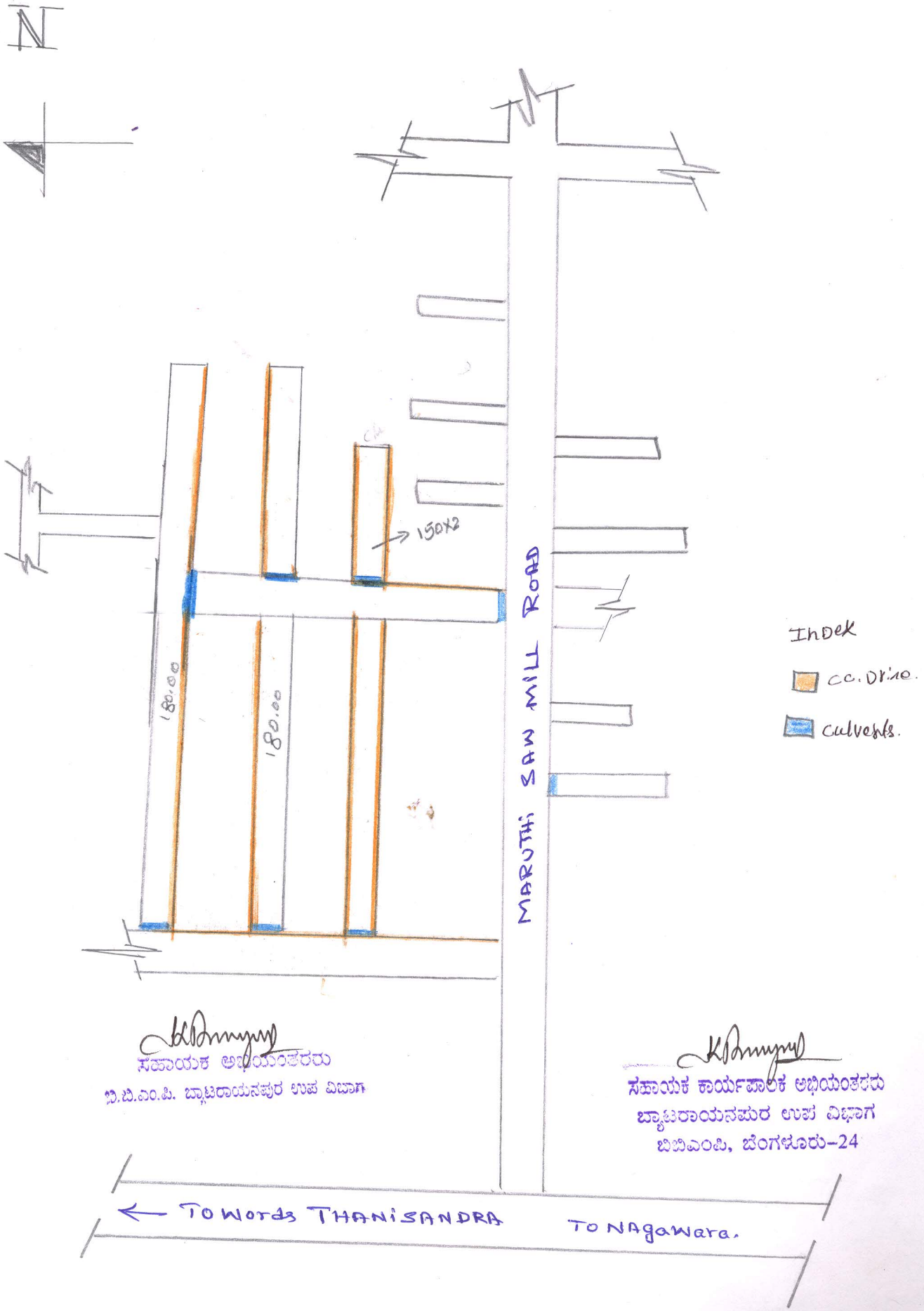
Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

60.00 Lakh
Sixty Lakh only
P2654
CE/YNK/200/14-15. D: 21-2-14

AE/JE

(E.E.P.Div.)
Chief Engineer
Yelahanka Zone
Bruhath Bangalore Mahanagara
Bangalore 92

Improvements to Roads and Drains at Maruthi Saw Mill Cross Roads in Ward No. 06 in Thanisandra Village Limits.



ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
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